

**RIDERSERIES**  
**RCM270548**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



Standard relays in the RIDERSERIES RCM

- 2 CO contacts
- Optionally AC or DC coils
- with test button
- Comes optionally with integrated status display and/or free-wheel diode

**General ordering data**

Order No.	<a href="#">8689780000</a>
Type	RCM270548
Version	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 48 V AC, Continuous current: 12 A, Plug-in connection
GTIN (EAN)	403224836045 1
Qty.	10 pc(s).

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**Technical data**
**Ratings**

Conductor connection system	Plug-in connection	Humidity	40 °C / 93 % rel. humidity, no condensation
UL 94 flammability rating	V-0		

**Dimensions and weights**

Width	22.5 mm	Height	28 mm
Depth	29 mm	Net weight	29.5 g

**Temperatures**

Operating temperature	-40 °C...+70 °C	Storage temperature	-40 °C...+85 °C
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**Input**

Rated control voltage	48 V AC	Rated current AC	21.3 mA
Coil resistance	777 Ω ± 10 %	Power rating	1.0 VA
Response / drop-out voltage AC coil	48.0 V / 18.0 V		

**Output**

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	12 A	making current	24 A / 20 ms
Max. switching power	3000 VA	Response time	15 ms / 10 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Max. switching frequency at rated load	0.1 Hz

**Contact specifications**

No. of contacts	2	Contact design	CO contact with test button
Contact material	AgNi 90/10	Mechanical service life	AC coil 20 x 10 <sup>6</sup> Switching cycles, DC coil 30 x 10 <sup>6</sup> Switching cycles

**Insulation coordination**

Rated voltage	250 V	Clearance and creepage distances for control side - load side	≥ 4 mm
Dielectric strength for control side - load side	2.5 KV <sub>eff</sub> / 1 min.	Impulse withstand voltage	5 kV (1.2/50 μs)
Protection degree	IP 20	Insulating material group	IIIa

**Other technical data**

Version	Without LED
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**Further details of approvals / standards**

Standards	IEC 61810-1, UL508
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**Classifications**

ETIM 2.0	EC001437	ETIM 3.0	EC001437
UNSPSC	30-21-19-17	eClass 4.1	40-02-06-14
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

**Approvals**

Approvals



**Downloads**

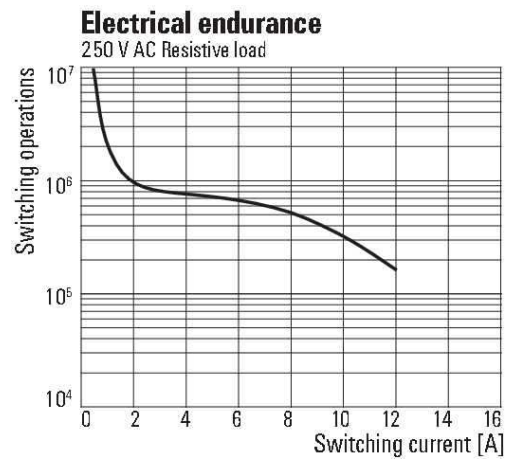
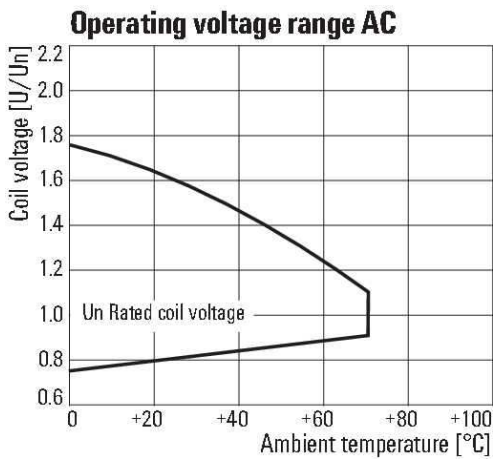
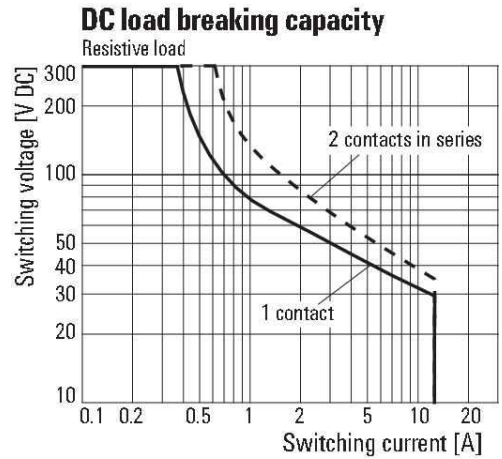
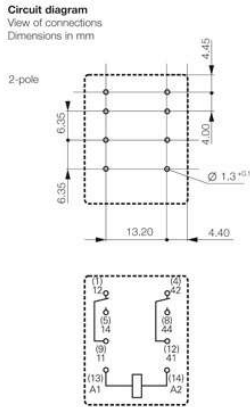
Declaration of Conformity [K295\\_12\\_10.pdf](#)

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**Drawings**

**Pinning**



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**Drawings**

<p><b>Type code</b></p> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 25%; text-align: center;"><b>RCM</b></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 20%;"></td> </tr> </table> <p><b>Type</b> RIDER Control Multiple</p> <p><b>Contacts</b></p> <p>2 2 CO contacts</p> <p>3 3 CO contacts</p> <p>5 4 CO contacts</p> <p><b>Contact material</b></p> <p>7 AgNi 90/10, with test button</p> <p>8 AgNi 90/10 hgp, with test button</p> <p><b>Type of construction</b></p> <p>0 Standard, 2.8 mm Faston</p>	<b>RCM</b>					<p><b>DC coil</b></p> <p>006 6 V DC L06</p> <p>012 12 V DC L12 AB2</p> <p>024 24 V DC L24 AC4</p> <p>048 48 V DC L48 AE8</p> <p>060 60 V DC L60</p> <p>110 110 V DC M10 BB0</p> <p>220 220 V DC N20</p> <p><b>AC coil</b></p> <p>506 6 V AC R06</p> <p>512 12 V AC R12</p> <p>524 24 V AC R24</p> <p>548 48 V AC R48</p> <p>615 115 V AC S15</p> <p>730 230 V AC T30</p>	<p>with LED + diode</p> <p>with LED</p>
<b>RCM</b>							